SIEMENS

syngo MammoReport

SP

System Manual

Maintenance Instructions

System maintenance

The Maintenance Protocol
SPB7-250.832.30.01.02 is required for these Instructions

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1 General information

These instructions describe the maintenance of the *syngo* MammoReport system. All maintenance should be carried out on a yearly basis.

All maintenance performed must be checked off in the *syngo* MammoReport Maintenance Protocol (SPB7- 250.832.30...).

1.1 Safety Information

The product specific safety information contained in this document, as well as the general safety information must be observed.

The general ESD guidelines must be observed. (Refer to document ARTD-001.709.01...)

1.2 Training

The training required is described in the document Field Service Strategy (SPB7-250.890.30...).

1.3 Documents required

- Maintenance Protocol (SPB7- 250.832.30...)
- *syngo* MammoReport Quality Control Manual (SPB7-420.621.20 ...)

1.4 Time required

Approximately 2 - 2.5 hours for one CSE.

1.5 Text emphasis

⚠DANGER	**DANGER indicates when there is an immediate danger that leads to death or serious physical injury.**
⚠WARNING	**WARNING indicates a risk that may lead to death or to serious physical injury.**
⚠CAUTION	**CAUTION used with the safety alert symbol indicates a danger that leads to slight or moderate physical injury and/or damage to property.**
NOTICE	**NOTICE used without the safety alert symbol indicates a danger that if disregarded leads or may lead to a potential situation which may result in an undesirable result or state other than death, physical injury or damage to property.**
NOTE	**NOTE contains information provided with special emphasis to facilitate proper use of the equipment or proper execution of a procedure, i.e. hints, tips.**

1.6 Explanation of abbreviations

Abbreviation	Explanation
SI	Safety Inspection
SIE	Safety Inspection Electrical Safety
SIM	Safety Inspection Mechanical Safety
PM	Preventive Maintenance
PMP	Preventive Maintenance, Preventive Parts Exchange, External Inspection etc.
PMA	Preventive Maintenance Adjustments
PMF	Preventive Maintenance Function, Operating Value Check
Q	Quality Check
QIQ	Quality Check Image
QSQ	Quality Check System
SW	Software Maintenance

The work steps in this document that are identified by these abbreviations should be checked off in the Maintenance Protocol (SPB7-250.832.30...).

2 Hardware maintenance

2.1 Computer

- Remove the computer access panel, refer to Fig. 1.

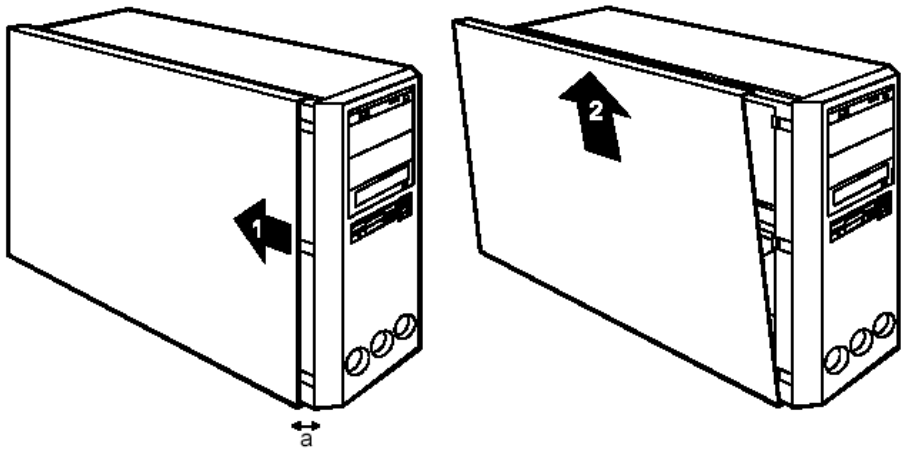

Fig. 1 Remove the access panel.

⚠WARNING

High Voltage!

Life-threatening electric shock hazard exists.

Do not touch computer components until the power supply cable has been disconnected.

⚠CAUTION

The computer contains electrostatic highly sensitive components requiring particular care in their handling.

Risk of damaging components.

Be sure to follow the ESD guidelines. When cleaning, make sure that no cleaning liquid penetrates into the equipment.

PM Checking fans

- Visually check that the two fans that are cooling the processors are working properly. The air should flow from front to back.
- Visually check that the power supply fan works properly. The air should flow from front to back.
- Listen to the noise of the fans. Does it sound ok?
- Shut down the operating system properly and turn off the computer and any external devices.
- Disconnect the power supply cable.

PM Fans - cleaning

- Clean all fans from dust.

PM Checking internal cables and plugs

- Check that all internal cables are properly connected to the devices.

PM Cleaning

- If necessary, clean the computer cabinet from dust.
- Reinstall the computer access panel and connect the power supply cable.

2.2 Cables

PM Checking that cables are not squeezed or broken

- Check that the cables are neither squeezed nor broken; if they are they must be replaced.

PM Checking all external cable connections

- Check that all external cables are properly connected.

PM Safe cable lay

- Check that all cables are placed in a way so that no one will trip over them.

2.3 Keyboard and mouse

PM Keyboard - cleaning

- Use a damp cloth to clean the keyboard from dust.

PM Mouse - operational check

- Check that the mouse is operational.

PM Mouse - cleaning

- Open the mouse and clean the rolls inside the housing.
- Clean the mouse externally.

2.4 Monitors

PM Desktop placement

- Ensure that the two high resolution monitors are safely placed on the workstation table.
- Ensure that the service monitor is safely placed on a side table.

PM Cleaning

- Clean the housing of the two high resolution monitors and the service monitor with a damp cloth.
- Wipe the glass with a cloth moistened with a lukewarm aqueous solution of mild detergent.

3 Checking the image quality

QIQ Calibration of high resolution monitors

The two High resolution monitors must be calibrated every year.

- Perform calibration according to the *syngo* MammoReport System Manual Calibration of Monitors for R610 (SPB7- 250.820.30...)
- Perform calibration according to the *syngo* MammoReport System Manual Calibration of Monitors for R630 (SPB7- 250.820.31...)
- Check calibration according to the *syngo* MammoReport Quality Control Manual (SPB7-420.621.20 ...).

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